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| Sheet | 1 | of | 1 |
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| Application Number | 09/543,247 |
| Filing Date | April 5, 2000 |
| First Named Inventor | Shinji TAKEDA |
| Group Art Unit | 2814 |
| Examiner Name | D. Graybill |
| Attorney Docket Number | TM&K0004 |

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Examiner
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| Considered | |

5-28-2

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Sheet 1 of 1

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Application Number 09/543,247
 Filing Date April 5, 2000
 First Named Inventor Shinji TAKEDA
 Art Unit 2814
 Examiner Name David E. Graybill
 Attorney Docket Number TM&K0004

**U.S. PATENT DOCUMENTS**

| Examiner Initials [*] | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------------------|-----------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| G | A | US- 5,605,763 | 02-25-1997 | Yusa et al. | |
| | B | US- 5,141,050 | 08-25-1992 | Schuff | |
| | C | US- 5,698,891 | 12-16-1997 | Tomita et al. | |
| | D | US- 3,608,054 | 09-21-1971 | Alvino et al. | |
| | E | US- 4,460,718 | 07-17-1984 | Tanaka et al. | |
| | F | US- 4,604,230 | 08-05-1986 | Goswami et al. | |
| | G | US- 4,755,415 | 07-05-1988 | Iijima et al. | |
| | H | US- 5,985,458 | 11-16-1999 | Angelopoulos et al. | |
| | I | US- 5,989,459 | 11-23-1999 | Nguyen et al. | |
| | J | US- 6,201,945 | 03-13-2001 | Schlueter, Jr. et al. | |
| | | US- | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials [*] | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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Examiner Signature

Jm

Date Considered

5-23-02

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